SUGGESTING RELEVANT QUESTIONS FOR A QUERY USING NATURAL LANGUAGE PROCESSING TECHNIQUES

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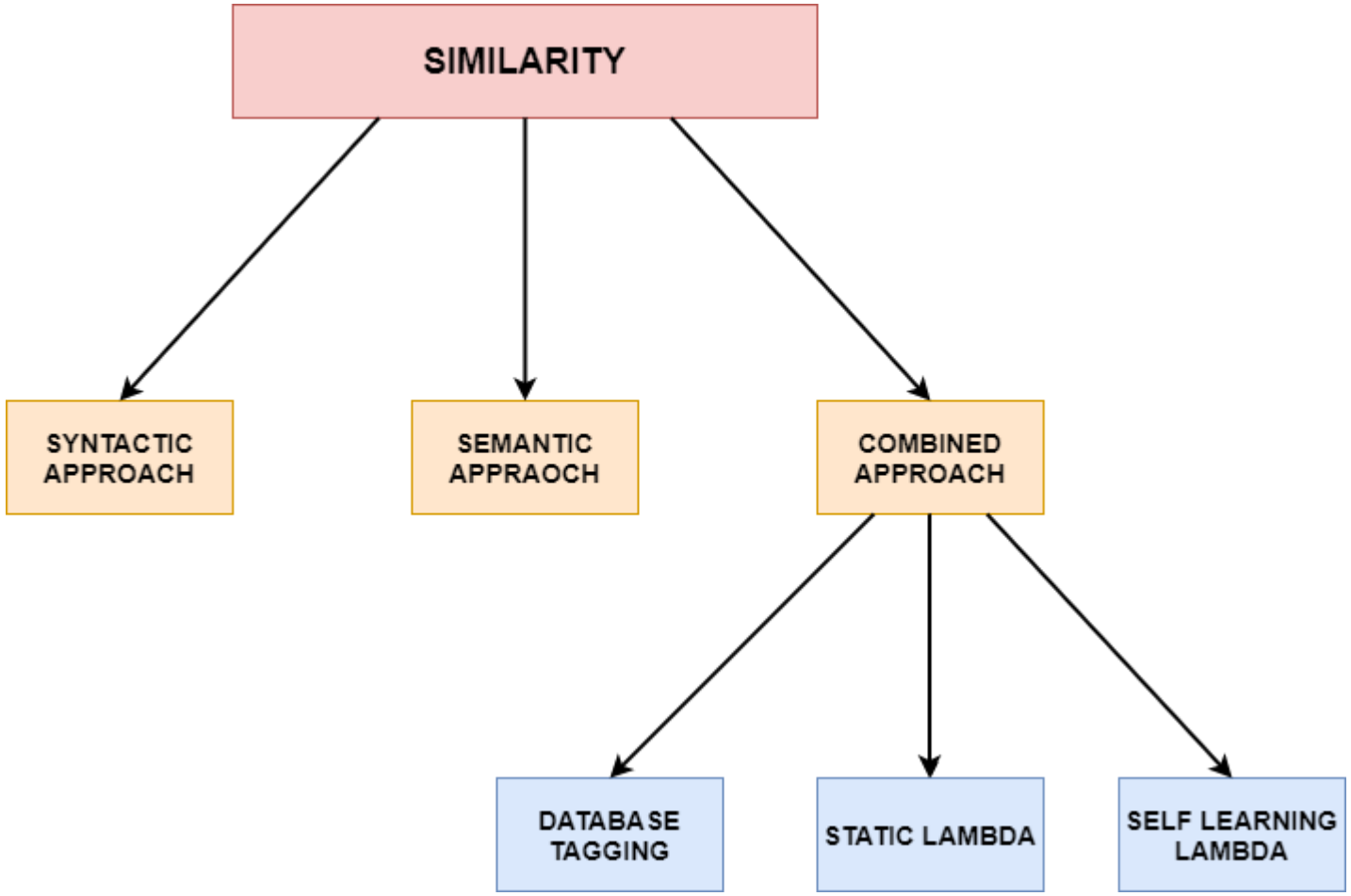
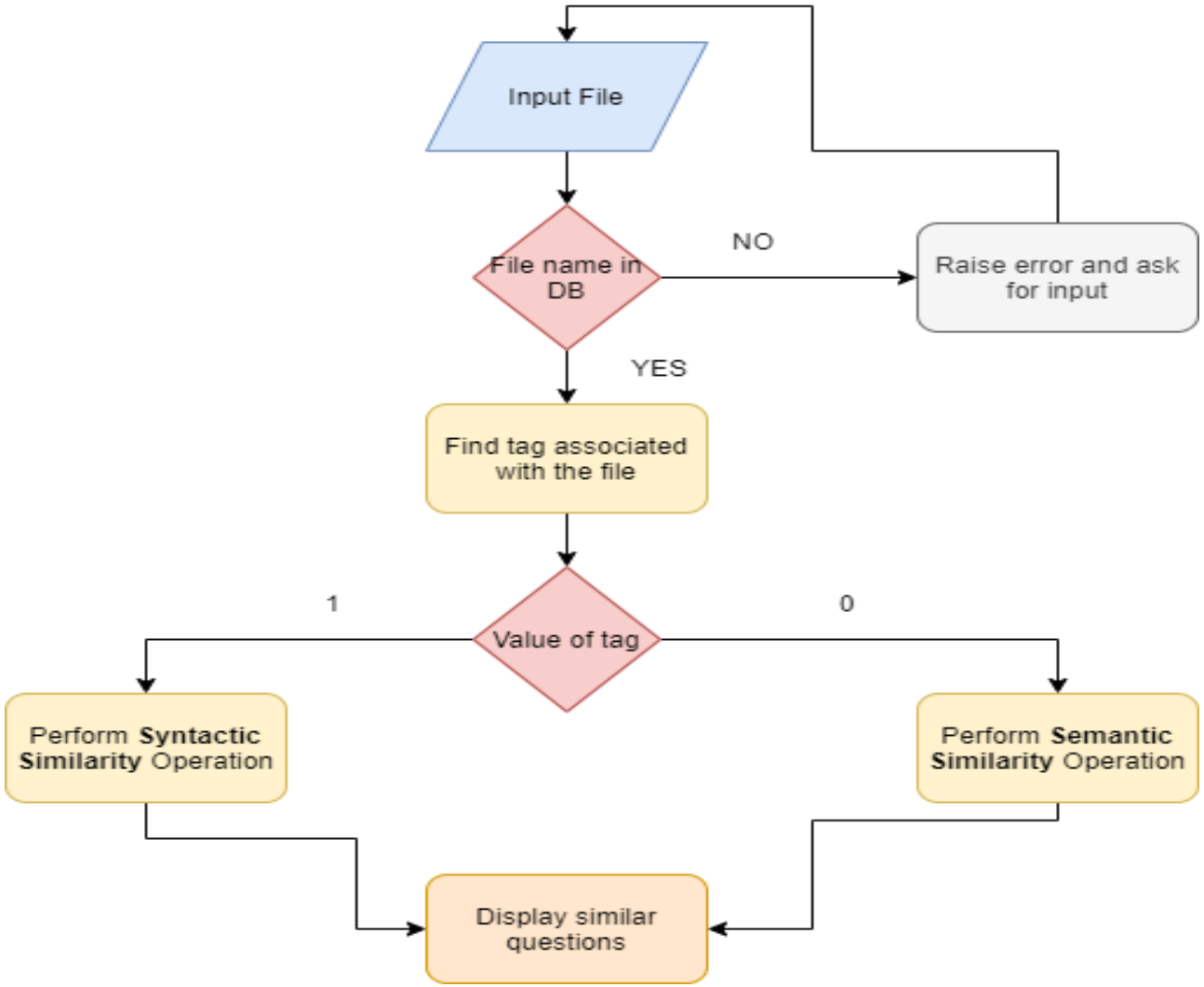
PROBLEM STATEMENT

- We aim to solve the problem by suggesting similar questions to the query entered by the user. The generation of questions involves finding relevant questions from the existing database as well as generating new questions which are not present in the database.

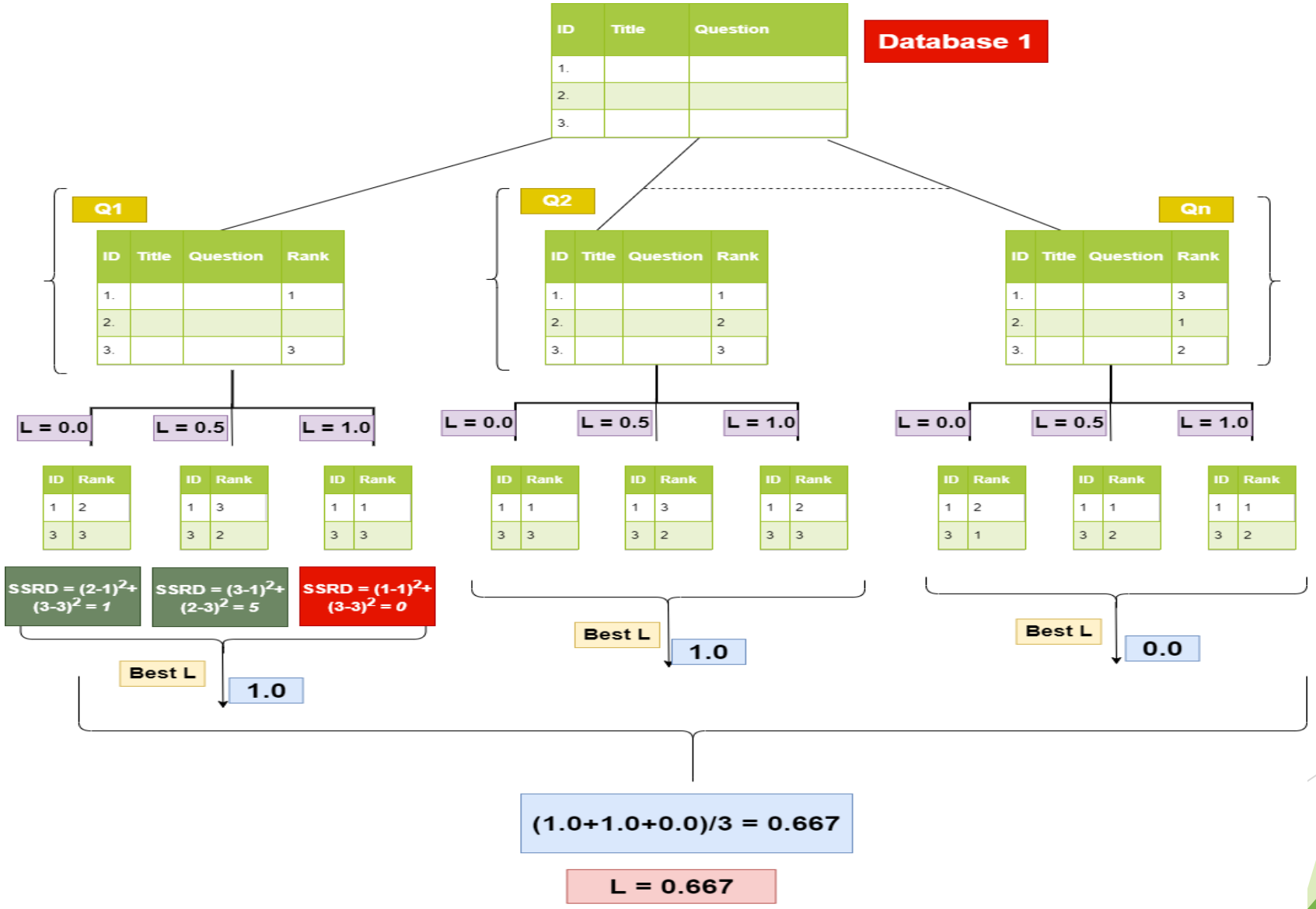
PROJECT HIERARCHY



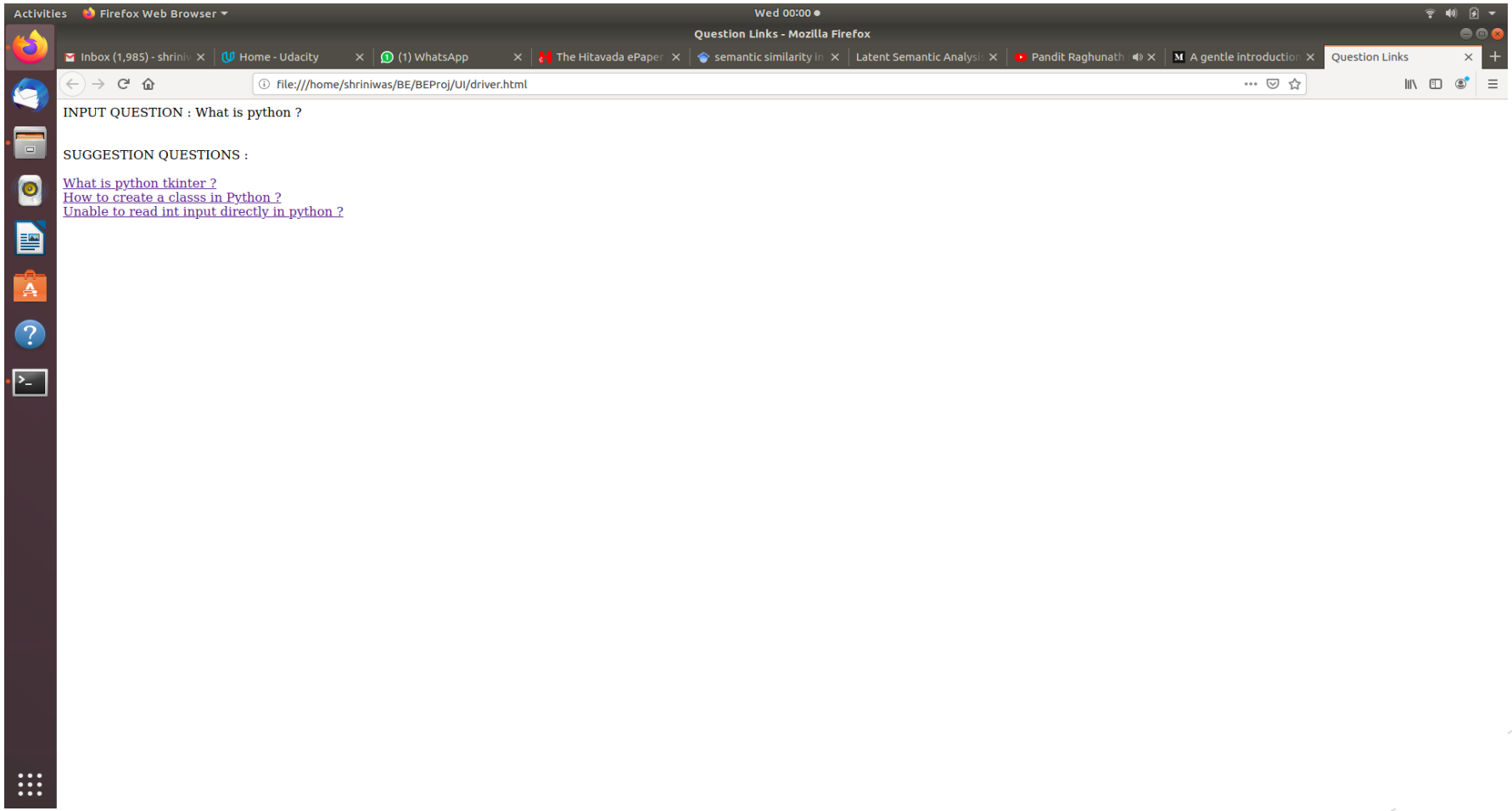
PRODUCT ARCHITECTURE

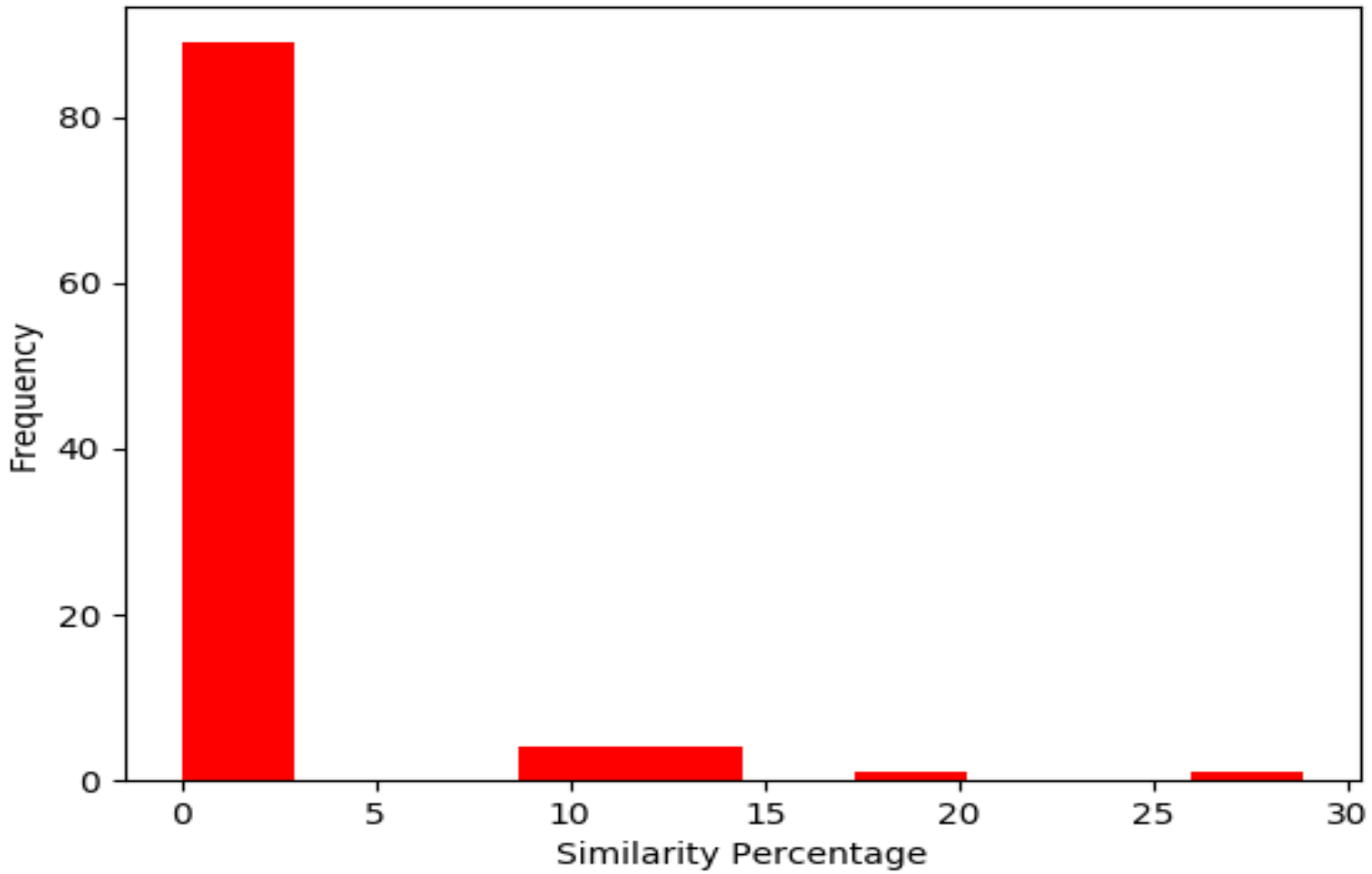


SELF LEARNING LAMBDA ARCHITECTURE



IMPLEMENTATION RESULTS




Frequency
80
60
40
20
0
0
5
10
15
20
25
30
Similarity Percentage

CONCLUSION AND FUTURE SCOPE

- Syntactic similarity has good rejection capacity but fails to accept semantically similar sentences.
- Semantic similarity is good at accepting similar sentences but bad at rejecting the dissimilar ones.
- The future plan for the project can be summarized as follows:
  - Complete the UI implementation (20% work left)
  - Complete the Project report (30% work left)

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THANK YOU!!